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Alternate Performance/Achievement Descriptors for Grade 3 Math

Advanced	<p>The student at the Advanced level accurately and independently demonstrates the ability to carry out comprehensive content-specific performance indicators.</p> <ul style="list-style-type: none">• creates a repeating pattern using objects, shapes, designs, or numbers• carries out a strategy to solve problems involving patterns, relations, or functions• recognizes 2-dimensional shapes• carries out a strategy to solve a geometric problem• determines which of two numbers is closer to the quantity in a given set• uses methods and tools to solve a problem, including drawing pictures, modeling with objects, estimating, using paper and pencil, and using a calculator• identifies a reasonable quantity when guessing the amount of a given set
Proficient	<p>The student at the Proficient level, given limited prompting, demonstrates the ability to respond accurately in performing a wide variety of content specific performance indicators.</p> <ul style="list-style-type: none">• extends and explains an alternating pattern of two or more objects, shapes, designs, or numbers• shows a quantity• extends or supply a missing element in a repeating pattern by attribute or number• reproduces an alternating pattern of two or more objects, shapes, designs, or numbers• recognizes properties of two-dimensional shapes• uses a quantitative label when making a guess• touches and moves shapes toward creating new shapes

Nearing Proficiency	<p>The student at the Nearing Proficiency level, given moderate prompting, demonstrates the ability to respond accurately in performing a narrow set of content-specific performance indicators.</p> <ul style="list-style-type: none"> • demonstrates an understanding that numbers, as opposed to letters, are used to express quantity, order, or size/amount • counts with another person, • identifies/names shapes as circles, squares, triangles, rectangles, and ovals • matches two- dimensional physical shapes to pictures of the shapes in different orientations • explains/shows spatial reasoning • finds various shapes in the environment • enters numbers correctly on a calculator/writes (communicates) numbers correctly
Novice	<p>The student at the Novice level, given physical assistance and/or modeling, is supported to participate in content specific performance indicators.</p> <ul style="list-style-type: none"> • anticipates a math activity • attends to materials being displayed • attends to another person combining and subdividing shapes • attends to another person making patterns and to a person describing patterns • attends to a person demonstrating with concrete materials. • attends to objects or pictures of two- and three- dimensional geometric shapes and the relationships among them • attends to another person estimating an amount of a given set